

GP-301953

MECHANICAL AND ADHESIVE FASTENER UNIT

ABSTRACT OF THE DISCLOSURE

A multi-part, self-drilling, self-tapping fastener with on board, internal chambered adhesive for, permanently connecting a plurality of parts at an overlaid joint thereof having access from one side. The fastener, that drills its own hole through the joint and taps its own threads for mechanically connecting the parts and subsequently extrudes the adhesive under pressure for optimized joint adhesive infiltration and bonding area for maximizing joint strength. The mechanical fastener holds the parts together eliminating the requirement for holding with auxiliary fixtures allowing the parts to be finished and painted during adhesive cure.